

What is claimed is:

1. An expandable resin composition comprising an olefin-based copolymer (a) and a thermally decomposable foaming agent (b) kneaded therein, wherein the olefin-based copolymer is composed of 5 to 50% by weight of monomer units derived from propylene and 95 to 50% by weight of monomer units derived from 1-butene.
2. The expandable resin composition according to claim 1, wherein the thermally decomposable foaming agent (b) comprises a thermally decomposable foaming agent (b-1) having a decomposition temperature of 130 to 190°C and a thermally decomposable foaming agent (b-2) having a decomposition temperature higher than 190°C but not higher than 230°C.
3. The expandable resin composition according to claim 1 or 2, wherein the composition contains any of a neutralizer (c), a moisture absorbent (d) and an inorganic filler (e).
4. A propylene-based resin foam obtained by melt-kneading the expandable resin composition according to any one of claims 1 to 3 and a propylene-based resin and foaming the composition.
5. The propylene-based resin foam according to claim 4, wherein a physical foaming agent is further employed during the melt-kneading.
6. The propylene-based resin foam according to claim 5, wherein the physical foaming agent is carbon dioxide gas.